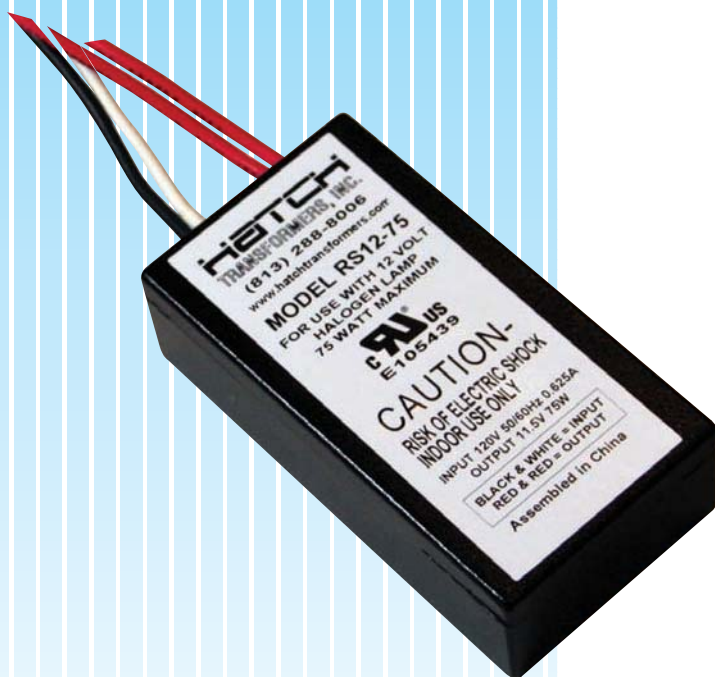


# Electronic Transformers

## 60 & 75 WATT "RS" SERIES ELECTRONIC TRANSFORMERS

PLASTIC CASE



RS12-60 AND RS12-75

### Electrical/Mechanical Specifications

#### Soft Start Circuitry

All models of Hatch low-voltage transformers utilize a soft start circuitry to maximize lamp life. The soft start circuit ramps up the lamp filament voltage slowly when the lamp is cold.

Note: Instant Start on Hot Lamp Re-Strike

#### Electronic Short-Circuit Protection

All Hatch low-voltage transformers employ our (ESP) Electronic Short Circuit and over load Protection. The ESP sensing circuit will instantly shut down the output before any of the components are stressed if a short circuit or over load is detected. The transformer will automatically reset as soon as the fault is corrected.


NOTE: High temperature 3M double sided tape available for use with side lead models only for mounting transformer to enclosure.

## 60&75 Watt RS Series



### Electronic Low Voltage Transformer Product Features:

- High Reliability
- Moisture Resistant
- Emits No Audible Noise
- Low Harmonic Distortion
- High Power Factor
- Lightweight, Compact Design
- Small Case Size
- Works with most commercially available dimmers. Hardwire electronic dimmers are recommended for optimum performance

### Environmental Specifications

Maximum Case Temperature	80°C
Minimum Starting Temperature	-30°C
Sound Rating	A+
Operating Humidity	95% relative humidity, non-condensating
Environmental Protection	Epoxy Sealed for moisture resistance and shock/vibration resistance
Safety Listing	 Class P Type 1 outdoor

### Electrical/Mechanical Specifications

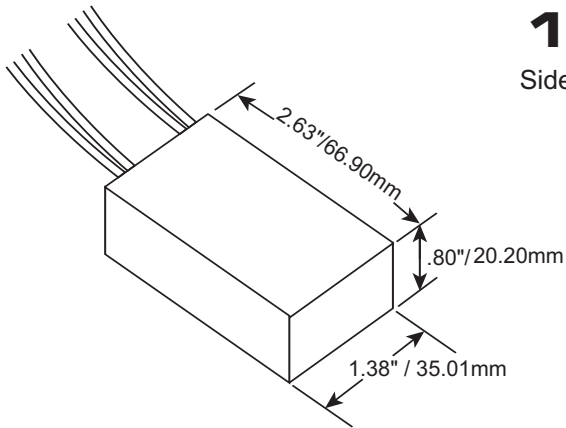
Input	120VAC or 277VAC - 50/60 Hz
Output	11.5 VAC
Enclosure Material	Polycarbonate
Weight	2.4 oz.
Power Factor	> 0.95
Operating Frequency	25 KHz
Total Harmonic Distortion	≤ 20%
Safety Standard	  (Class 2-up to 60 Watt only)
Input Leads	6", 18AWG stranded, 105 degree C stripped 3/16" tinned
Output Leads	6", 18AWG stranded, 105 degree C stripped 3/16" tinned

# HATCH

## DIMENSIONS

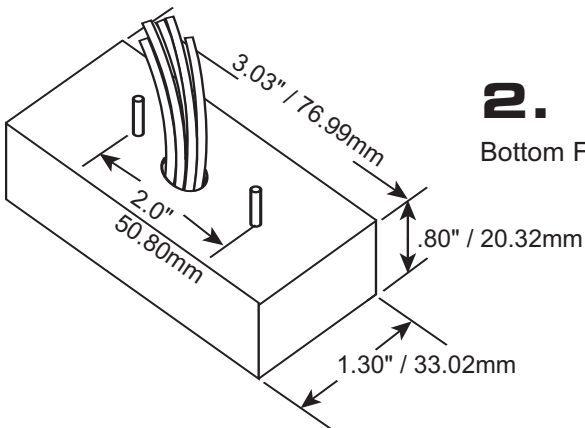
**1.**

Side Lead



**2.**

Bottom Feed



## WIRING DIAGRAMS

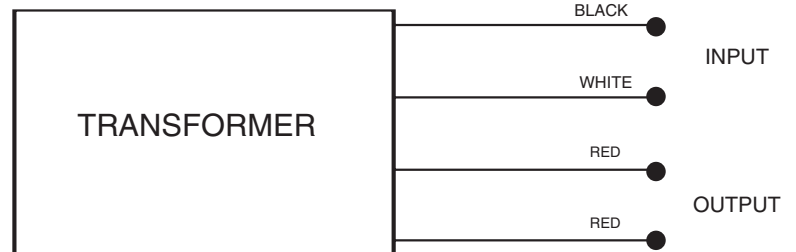


DIAGRAM A

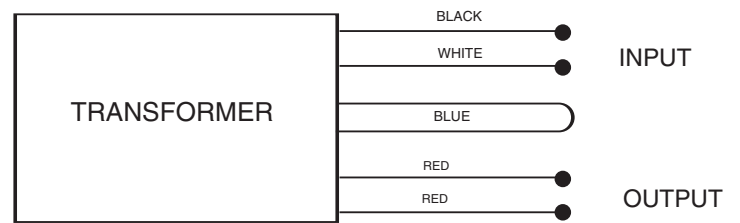


DIAGRAM B

**WD MODELS HAVE DIMMING LOOP**

## HARDWIRE ELECTRONIC

Max Watts	Min Watts	Input Volts	Input Amps	Output Volts	Output Amps	Case Style	Wiring Dia.	Hatch Item No.	Safety Listing
60	10	120	0.50	11.5	5.3	1	A	RS12-60NW	UL/C-UL Recognized, Class 2
75	10	120	0.63	11.5	6.6	1	A	RS12-75 NW	UL/C-UL Recognized
						1	B	RS12-75WD	
						2	A	RS12-75BF	

\*Note: Must use a minimum of 20 watts when using dimmers.

Specifications subject to change without notice. 4/08

**HATCH**